## WHAT IS CLAIMED IS:

1. A personal communication system (PCS) server of a personal communication system providing PCS subscribers with personal telephone numbers, comprising:

a PCS destination profile memory for storing in association with at least one personal telephone number (PTN) a number of destination profiles respectively consisting of a sequence of destination numbers indicating a number of predetermined destination locations;

a PCS routing means for completing an incoming call directed to said PTN by routing the incoming call sequentially to destination locations in accordance with the sequence indicated in a destination profile until said call is abandoned or answered; and

a destination profile handling means for selectively handling one or more of said destination profiles stored in said PCS destination profile memory in response to a destination profile handling message received via said PCS communication system and including at least one handling parameter indicating a predetermined handling of at least one of said destination profiles.

- 2. A PCS server according to claim 1, wherein said destination profile handling means comprises an activation/deactivation means for selecting and activating/deactivating a predetermined one of said destination location profiles in said PCS destination profile memory in response to a selection/ activation/deactivation handling parameter in said destination profile handling message indicating said predetermined destination location profile to be selected/activated/deactivated.
- 3. A PCS server according to claim 1, wherein: said PCS server has associated with it a predetermined PCS server number to which said destination profile handling message is routed.
- 4. A PCS server according to claim 3, wherein:
  said PCS server further comprises a voice
  message storage means for storing predetermined
  voice messages provided to a PCS subscriber by said
  PCS routing means after said destination profile
  handling message is received by said PCS server.
- 5. A PCS server according to claim 2, wherein:
  said selection/activation/deactivation

  parameter comprises a combination of digits and
  symbols which indicate the
  selection/activation/deactivation and the number of
  the destination profile to be selected.

- 6. A PCS server according to claim 1, wherein:
  said destination profile handling parameter
  includes a user authority code or a PIN wherein said
  PCS server further includes an authorization check
  means for checking the user authorization of said
  received destination profile handling message.
- 7. A PCS server according to claim 1, wherein:
   said destination profile handling message
  comprises a destination profile switching parameter
  and said destination profile handling means
  comprises a destination profile switching means for
  switching between predetermined ones of said
  destination profiles in said PCS destination profile
  memory in response to said destination profile
  switching parameter.
- 8. A PCS server according to claim 7, wherein: said destination profile switching parameter comprises a combination of digits and/or symbols which indicate a switching request and a number of the destination profile to be switched to.
- 9. A PCS server according to claim 1, wherein:
  said destination profile handling message is
  issued by a handling request means of a PCS
  subscriber telephone located within the PCS
  communication system.

- 10. A PCS server according to claim 1, wherein:
  said destination profile handling message is
  issued by a handling request means of a PCS
  subscriber telephone outside the PCS communication
  system.
- 11. A PCS server according to claim 1, wherein:
  said destination profile handling message is
  issued from said PCS communication system which sets
  said handling parameters in accordance with
  operating conditions of said PCS system and/or a
  telephone system connected to said PCS system.
- 12. A PCS server according to claim 1, wherein:
   said one or more handling parameters indicate

  one or more call distribution parameters for one or

  more of said destination locations in said one or

  more destination profiles and said destination

  profile handling means comprises a call distribution

  parameter setting means for setting said call

  distribution parameters in said one or more

  destination profiles.

- 13. A PCS server according to claim 12, wherein:
  several call distribution parameters for one or
  more destination locations are indicated by the
  handling parameters and at least one of said call
  handling parameters also indicates a logical
  combination for a call routing for said one or more
  location destinations.
- 14. A PCS server according to claim 12, wherein:
  said destination profile handling message
  comprises at least one PTN call origin parameter
  indicating for one or more predetermined destination
  locations the allowed call origin for a PTN call and
  said destination profile handling means comprises a
  first destination subset determining means for
  setting said at least one call origin parameter at
  one or more of said destination locations in at
  least one destination profile to determine at least
  one subset of destinations in at least one
  destination profile which shall attend to PTN calls
  having a call origin as indicated by said PTN call
  origin parameter.
- 15. A PCS server according to claim 12, wherein:
  said destination profile handling message
  comprises at least one teleservice-type parameter
  indicating for one or more predetermined destination
  locations the allowed type of teleservice for a PTN
  call and said destination profile handling means
  comprises a second destination subset determining

means for setting said at least one teleservice-type parameter at one or more of said destination locations in at least one destination profile to determine at least one subset of destinations in at least one destination profile which shall attend to PTN calls having a teleservice type as indicated by said PTN call teleservice-type parameter.

- 16. A PCS server according to claim 12, wherein: said destination profile handling message comprises one or more busy option parameters indicating busy options for said destination locations of said destination profiles, said busy options indicating for a particular destination location either a destination location in said destination profile to which a PTN call is to be routed by said PCS routing means in case the particular destination location is busy, or the issuance of a busy indication to the calling subscriber, said PCS server further comprising a busy option set means for setting said busy options in said destination options.
- 17. A PCS server according to claim 12, wherein:
  said destination profile handling message
  comprises one or more PTN number of calls parameters
  indicating for at least one destination location in
  said destination profile whether one or more than
  one call can be delivered to said destination
  location; and

said destination profile handling means further comprises a PTN number of calls parameter setting means for setting said PTN number of calls parameter in said indicated destination location.

18. A PCS server according to claim 11, wherein:
said destination profile handling message
comprises one or more PTN number of calls flags
indicating for at least one destination location in
said destination profile whether a call is being
delivered to said destination location or not; and

said PCS-server further comprises a PTN number of calls flag setting means for setting said PTN number of calls flags in said indicated destination profiles.

19. A personal communication system (PCS) server of a personal communication system providing PCS subscribers with personal telephone numbers PTNs, comprising:

a PCS destination profile memory storing in association with at least one personal telephone number PTN a number of destination profiles respectively consisting of a sequence of destination numbers indicating a number of predetermined destination locations; and

a PCS routing means for completing an incoming call directed to said PTN by routing the incoming call sequentially to destination locations in accordance with the sequence indicated in a destination profile until said call is abandoned or answered,

wherein:

one or more of said destination numbers have associated with them one or more call distribution parameters; and

said PCS routing means routes an incoming PTN call to destination locations in said destination profile in accordance with the sequence indicated in a destination profile and said one or more call distribution parameters until said call is abandoned or answered.

20. A PCS server according to claim 19, further comprising:

a destination profile handling means for selectively handling one or more of said destination profiles in accordance with one or more handling parameters of a destination profile handling message.

21. A PCS server according to claim 20, wherein: said destination profile handling message is received from a PCS subscriber telephone which sets said handling parameters.

- 22. A PCS server according to claim 21, wherein: said one or more handling parameters indicate said one or more call distribution parameters to be set by said destination profile handling means.
- 23. A PCS server according to claim 21, wherein:
  said one or more handling parameter comprises
  one or more parameters selected from the group
  consisting of the following parameters: a
  selection/activation/ deactivation handling
  parameter and a switching parameter.
- 24. A PCS server according to claim 20, wherein: said destination profile handling message is received from said PCS communication system which sets said handling parameters in accordance with operating conditions of said PCS system and/or a telephone system connected to said PCS system.
- 25. A PCS server according to claim 24, wherein: said one or more handling parameters indicate said one or more call distribution parameters to be set by said destination profile handling means.

- 26. A PCS server according to claim 24, wherein:
  said one or more handling parameters comprises
  one or more parameters selected from the group
  consisting of the following parameters: a
  selection/activation/ deactivation handling
  parameter and a switching parameter.
- 27. A PCS server according to claim 19, wherein:
  said call distribution parameters are selected
  from one or more parameters selected from the group
  consisting of a call origin parameter, a
  teleservice-type parameter, a busy option parameter,
  a PTN number of calls parameter and a PTN number of
  calls flag.
- 28. A PCS server according to claim 19, wherein:
  several call distribution parameters are
  associated with said destination number and said PCS
  routing means routes an incoming PTN call to
  destination locations in said destination profile in
  accordance with the sequence indicated in said
  destination profile and a logical combination of
  said call distribution parameters.
- 29. A PCS server according to claim 28, wherein:
  said one or more handling parameters indicate
  said one or more call distribution parameters to be
  set by said destination profile handling means; and
  said call handling parameter also indicates the
  logical combination.

30. A PCS server according to claim 27, wherein:

said PCS routing means comprises a call origin determining means for comparing a call origin of the incoming PTN call with the set call origin parameter at said destination numbers; and

said PCS routing means selects a next destination location in the destination profile if the call origin and the call origin parameter do not match and routes the PTN call to the destination location when they match.

31. A PCS server according to claim 27, wherein:
said PCS routing means comprises a teleservice
determining means for comparing a teleservice type
of the incoming PTN call with the set teleservicetype parameter at said destination number; and

said PCS routing means selects a next destination location in the destination profile if the teleservice type and the teleservice-type parameter do not match and routes the PTN call to the destination location when they match.

32. A PCS server according to claim 30, wherein: the call origin and/or the teleservice type of the PTN call is screened by a call origin/teleservice type determining means of the telephone system or the PCS server and is provided to said PCS server during call setup.

33. A PCS server according to claim 27, wherein:
said PCS routing means comprises a busy state
determining means for determining whether a present
destination location to which the incoming PTN call
is to be routed is busy or not; and

said PCS routing means routes said call to a next destination location as indicated by the busy option parameter at the present destination location if said present destination location is busy and said busy option parameter indicates a next destination location, or returns a busy indication to the calling subscriber if said present destination location is busy and said busy option parameter indicates the issuance of a busy indication.

34. A PCS server according to claim 27, wherein:
said PCS routing means comprises a PTN number
of calls determining means for determining whether a
call is already being delivered to a destination
location to which said incoming PTN call is to be
delivered, for setting said PTN number of calls flag
when a call is being delivered to said destination
location and for resetting said flag if no call is
being delivered; and

said PCS routing means routes said incoming PTN call to said destination location if said PTN number of calls flag is set or to the next destination location in the destination profile if said PTN number of calls flag is not set.

35. A PCS server according to claim 27, wherein: said PCS routing means comprises a PTN number of calls determining means for determining whether a call is already being delivered to a destination location to which said incoming PTN call is to be delivered, for setting said PTN number of calls flag when a call is being delivered to said destination location and for resetting said flag if no call is

said PCS routing means routes said incoming PTN call to said destination location if said PTN number of calls flag is set or to the next destination location in the destination profile if said PTN number of calls flag is not set;

being delivered; and

said PCS routing means further comprises a PTN number of calls parameter determining means for determining on the basis of a set PTN number of call parameter whether one or more than one call can be delivered to a desired destination location; and

said PCS routing means routes said incoming PTN call to said destination location if said PTN number of calls parameter indicates that more than one call can be delivered to said destination location, or to the next destination location in the destination

profile if said PTN number of calls parameter indicates that only one call can be delivered to said destination location and said PTN number of calls flag is set.

36. A PCS server according to claim 1, wherein:
said PCS routing means comprises an active
destination profile determining means for
determining an active destination profile in said
destination profile memory; and

said PCS routing means routing said incoming PTN call in accordance with the call distribution parameters set to said active destination profile.

37. A PCS server according to claim 36, wherein:
said one or more handling parameter comprises
one or more parameters selected from the group
consisting of the following parameters: a
selection/activation/ deactivation handling
parameter and a switching parameter; and

said active destination profile is a default destination profile set by a default setting means of said destination profile handling means or an active destination profile selected by said selection/ activation/deactivation handling parameter and/or said switching parameter.

38. A method to control a personal communication system (PCS) server of a personal communication system providing PCS subscribers with personal telephone numbers comprising:

- a) storing in a PCS destination profile memory in association with at least one personal telephone number (PTN) a number of destination profiles respectively consisting of a sequence of destination numbers indicating a number of predetermined destination locations;
- b) completing an incoming call directed to said PTN by routing the incoming call by a PCS routing means sequentially to destination locations in accordance with the sequence indicated in the destination profile until said call is abandoned or answered;
- c) sending a destination profile handling message to said PCS server via said PCS communication system including at least one handling parameter indicating a predetermined handling of at least one of said destination profiles; and
- d) selectively handling one or more of said destination profiles stored in said PCS destination profile memory in accordance with said handling parameter.
- 39. A method according to claim 38, further comprising: in step c), sending in said destination profile handling message a selection/activation/deactivation handling parameter; and

in step d), selecting and activating/
deactivating a predetermined one of said destination
location profiles in said PCS destination profile
memory in response to said selection/activation/
deactivation handling parameter indicating said
predetermined destination location profile to be
selected/activated/deactivated.

- 40. A method according to claim 38, wherein:
  said destination profile handling message is
  routed to a predetermined PCS server number of said
  PCS server.
- 41. A method according to claim 40, further comprising: storing in a voice message storage means predetermined voice messages and providing one of the predetermined voice messages to a PCS subscriber after said destination profile handling message is received by said PCS server.
- 42. A method according to claim 39, wherein:
   a combination of digits and symbols which
  indicate the selection/activation/deactivation and
  the number of the destination profile to be selected
  is sent as said selection/activation/deactivation
  parameter in said destination profile handling
  message.

43. A method according to claim 38, further comprising: sending as a destination profile handling parameter in said destination profile handling message a user authority code or a PIN and checking the user authorization of said received destination profile handling message in said PCS server.

44. A method according to claim 38, further comprising:
in step c), sending in said destination profile
handling message a destination profile switching
parameter; and

in step d), switching between predetermined ones of said destination profiles in said PCS destination profile memory in response to said destination profile switching parameter.

- 45. A method according to claim 44, wherein:
  said switching parameter comprises a
  combination of digits and/or symbols which indicate
  a switching request and a number of the destination
  profile to be switched to.
- 46. A method according to claim 38, wherein:
  said destination profile handling message is
  issued by a handling request means of a PCS
  subscriber telephone located within the PCS
  communication system.

- 47. A method according to claim 38, wherein:
  said destination profile handling message is
  issued by a handling request means of a PCS
  subscriber telephone outside the PCS communication
  system.
- 48. A method according to claim 38, further comprising: sending said destination profile handling message from said PCS communication system which sets said handling parameters in accordance with operating conditions of said PCS system and/or a telephone system connected to said PCS system.
- 49. A method according to claim 38, wherein:
  said one or more handling parameters indicate
  one or more call distribution parameters for one or
  more of said destination locations in said one or
  more destination profiles and said call distribution
  parameter are set in said one or more destination
  profiles.
- 50. A method according to claim 49, wherein:
  several call distribution parameters are
  indicated by said handling parameters for one or
  more of said destination profiles and at least one
  of said call handling parameters also indicates the
  logical combination for said one or more location
  destinations.

and

51. A method according to claim 49, further comprising:
in step c), sending in said destination profile
handling message a PTN call origin parameter
indicating the allowed call origin for a PTN call;

in step d), setting said at least one call origin parameter at one or more of said destination locations in at least one destination profile to determine at least one subset of destinations in at least one destination profile which shall attend to PTN calls having a call origin as indicated by said PTN call origin parameter.

52. A method according to claim 49, further comprising:
in step c), sending as said destination profile
handling message a PTN call teleservice-type
parameter indicating for one or more predetermined
destination locations the allowed type of

teleservice for a PTN call; and

in step d), setting said at least one teleservice-type parameter at one or more of said destination locations in at least one destination profile to determine at least one subset of destinations in at least one destination profile which shall attend to PTN calls having a teleservice type as indicated by said teleservice parameter.

53. A method according to claim 49, further comprising:

in step c), sending in said destination profile handling message busy option parameters indicating busy options for said destination locations of said destination profiles, said busy options indicating for a particular destination location either a destination location in said destination profile to which a PTN call is to be routed by said PCS routing means in case the particular destination location is busy, or the issuance of a busy indication to the calling subscriber; and

in step d), setting said busy options in said destination locations in response to said busy option parameters.

54. A method according to claim 49, further comprising:

in step c), sending in said destination profile
handling message a PTN number of calls parameter
indicating for at least one destination location in
said destination profile whether one or more than
one call can be delivered to said destination
location; and

in step d), setting said PTN number of calls parameter in said indicated destination location.

55. A method according to claim 49, further comprising:
in step c), sending in said destination profile
handling message one or more PTN number of calls
flags indicating for at least one destination
location in said destination profile whether a call
is being delivered to said destination location or

in step d), setting said PTN number of calls flags in said indicated destination profiles.

- 56. A method to control a personal communication system (PCS) server of a personal communication system providing PCS subscribers with personal telephone numbers comprising:
  - a) storing in a PCS destination profile memory in association with at least one personal telephone number (PTN) a number of destination profiles respectively consisting of a sequence of destination numbers indicating a number of predetermined destination locations; and
  - b) completing an incoming call directed to said PTN by routing the incoming call sequentially to destination locations in accordance with the sequence indicated in a destination profile until said call is abandoned or answered;

wherein:

not; and

- c) one or more of said destination numbers have associated with them one or more call distribution parameters; and
- d) an incoming PTN call is routed to destination locations in said destination profile in accordance

with the sequence indicated in a destination profile and said one or more call distribution parameters until said call is abandoned or answered.

- 57. A method according to claim 56, wherein:
- a destination profile handling message for selectively handling one or more of said destination profiles in accordance with one or more handling parameters is provided to said PCS-server.
- 58. A method according to claim 57, wherein:
  said destination profile handling message is
  received from a PCS subscriber telephone which sets
  said handling parameters.
- 59. A method according to claim 58, wherein: said one or more handling parameters indicate said one or more call distribution parameters.
- 60. A method according to claim 58, wherein:
  said one or more handling parameters comprises
  one or more handling parameters selected from the
  group consisting of the following parameters: a
  selection/activation/deactivation handling parameter
  and a switching parameter.
- 61. A method according to claim 57, further comprising: sending said destination profile handling message by said PCS communication system which sets said handling parameters in accordance with

operating conditions of said PCS system and/or a telephone system connected to said PCS system.

- 62. A method according to claim 61, wherein: said one or more handling parameters indicate said one or more call distribution parameters.
- 63. A method according to claim 61, wherein:
  said one or more handling parameters comprises
  one or more parameters selected from the group
  consisting of the following parameters: a
  selection/activation/ deactivation handling
  parameter and a switching parameter.
- 64. A method according to claim 56, wherein:
  said call distribution parameters are selected
  from one or more parameters selected from the group
  consisting of a call origin parameter, a
  teleservice-type parameter, a busy option parameter,
  a PTN number of calls parameter and a PTN number of
  calls flag.
- 65. A method according to claim 64, wherein:
  said one or more handling parameters indicate
  said one or more call distribution parameters; and

several call distribution parameters are associated with said destination number and an incoming PTN call is routed to destination locations in said destination profile in accordance with the sequence indicated in said destination profile and a

logical combination of said call distribution parameters.

- 66. A method according to claim 65, wherein:
  said call handling parameter also indicates the logical combination.
- 67. A method according to claim 64, further comprising:
  comparing a call origin of the incoming PTN
  call with the set call origin parameter at said
  destination numbers; and

selecting a next destination location in the destination profile if the call origin and the call origin parameter do not match and routing the PTN call to the destination location when they match.

68. A method according to claim 64, further comprising:
comparing a teleservice type of the incoming
PTN call with the set teleservice-type parameter at
said destination number; and

selecting a next destination location in the destination profile if the teleservice type and the teleservice-type parameter do not match and routing the PTN call to the destination location when they match.

69. A method according to claim 67, wherein:
the call origin and/or the teleservice-type of
the PTN call is screened by the telephone system and
provided to said PCS server during call setup.

70. A method according to claim 64, further comprising:
 determining whether a present destination
location to which the incoming PTN call is to be
routed is busy or not; and

routing said call to a next destination location as indicated by the busy option parameter at the present destination location if said present destination location is busy and said busy option parameter indicates a next destination location, or returning a busy indication to the calling subscriber if said present destination location is busy and said busy option parameter indicates the issuance of a busy indication.

71. A method according to claim 64, further comprising:
 determining whether a call is already being
delivered to a destination location to which said
incoming PTN call is to be delivered, setting said
PTN number of calls flag when a call is being
delivered to said destination location and resetting
said flag if no call is being delivered; and

routing said incoming PTN call to said destination location if said PTN number of calls flag is set or to the next destination location in the destination profile if said PTN number of calls flag is not set.

72. A method according to claim 64, further comprising:

determining whether a call is already being delivered to a destination location to which said incoming PTN call is to be delivered, setting said PTN number of calls flag when a call is being delivered to said destination location and resetting said flag if no call is being delivered;

routing said incoming PTN call to said destination location if said PTN number of calls flag is set or to the next destination location in the destination profile if said PTN number of calls flag is not set;

determining on the basis of a set PTN number of call parameter whether one or more than one call can be delivered to a desired destination location; and

routing said incoming PTN call to said destination location if said PTN number of calls parameter indicates that more than one call can be delivered to said destination location, or to the next destination location in the destination profile if said PTN number of calls parameter indicates that only one call can be delivered to said destination location and said PTN number of calls flag is set.

73. A method according to claim 38, further comprising: determining an active destination profile in said destination profile memory; and

routing said incoming PTN call in accordance with the call distribution parameters set to said active destination profile.

74. A method according to claim 73, wherein:

said one or more handling parameters comprises one or more handling parameters selected from the group consisting of the following parameters: a selection/activation/deactivation handling parameter and a switching parameter; and

said active destination profile is a default destination profile set by a default setting means of said destination profile handling means or an active destination profile selected by said selection/activation/deactivation handling parameter and/or said switching parameter.

75. A PCS server according to claim 19, wherein:
said PCS routing means comprises an active
destination profile determining means for
determining an active destination profile in said
destination profile memory; and

said PCS routing means routing said incoming PTN call in accordance with the call distribution parameters set to said active destination profile.

76. A method according to claim 56, further comprising: determining an active destination profile in said destination profile memory; and

routing said incoming PTN call in accordance with the call distribution parameters set to said active destination profile.

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